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ANTIBODIES THAT RECOGNIZE THE 85P1B3 PROTEIN USEFUL IN

5 TREATMENT AND DETECTION OF CANCER

This application claims the benefit of United States provisional patent application serial number 60/228,432, filed August 28, 2000, the entire contents of which are hereby incorporated herein by reference.

10 SUBMISSION ON COMPACT DISC

The contents of the following submission on compact discs are incorporated herein by reference in its entirety: A compact disc copy of the Sequence Listing (COPY 1) (file name: 5115820028.txt, date recorded: February 13, 2003, size: 216 KB); a duplicate compact disc copy of the Sequence Listing (COPY 2) (file name: 5115820028.txt, date recorded: February 13, 2003, size: 216 KB); a computer readable form copy of the Sequence Listing (CRF COPY) (file name: 5115820028.txt, date recorded: February 13, 2003, size: 216 KB).

FIELD OF THE INVENTION

The invention described herein relates to a novel gene and its encoded protein, termed 20 85P1B3, and to diagnostic and therapeutic methods and compositions useful in the management of various cancers that express 85P1B3.

BACKGROUND OF THE INVENTION

Cancer is the second leading cause of human death next to coronary disease. Worldwide, millions of people die from cancer every year. In the United States alone, as reported by the American 25 Cancer Society, cancer causes the death of well over a half-million people annually, with over 1.2 million new cases diagnosed per year. While deaths from heart disease have been declining significantly, those resulting from cancer generally are on the rise. In the early part of the next century, cancer is predicted to become the leading cause of death.

Worldwide, several cancers stand out as the leading killers. In particular, carcinomas of the 30 lung, prostate, breast, colon, pancreas, and ovary represent the primary causes of cancer death. These and virtually all other carcinomas share a common lethal feature. With very few exceptions, metastatic disease from a carcinoma is fatal. Moreover, even for those cancer patients who initially survive their primary cancers, common experience has shown that their lives are dramatically altered. Many cancer patients experience strong anxieties driven by the awareness of the potential for recurrence or treatment 35 failure. Many cancer patients experience physical debilitations following treatment. Furthermore, many cancer patients experience a recurrence.